

MATH PROBLEM OF THE WEEK

Problem 8

How many n digit numbers contain an odd number of 1? Express your answer as a simplified formula.

We welcome solutions from everyone. The undergraduate participant from the NMSU main campus with the most correct solutions at the end of the semester will receive an award of \$500.

Solutions must be mathematically rigorous and originally obtained by the participants.

Participants will be notified if their solutions are correct within a week.

Deadline: Monday, December 4, 10 am

This is the last problem of Fall 2023 and carries points equivalent to three problems. We will return in January 2024.

Send solutions to: mathpotw@nmsu.edu

More information at: https://math.nmsu.edu/activities/math-problem-of-the-week.html